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ABSTRACT OF THE DISCLOSURE

In an electron-emitting device having a pair of electric conductors disposed on a substrate in opposed relationship with each other, and a pair of piled films composed chiefly of carbon and connected to the pair of electric conductors and disposed with a gap interposed therebetween, the piled films contain therein one or more kinds of elements selected from the group of lithium, potassium, sodium, calcium, strontium and barium within the range of 1 mol% to 5 mol% in terms of the percentage to carbon.